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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-------------------------|---------------------|------------------|
| 10/001,468 | 10/31/2001 | Charles Robert Weirauch | 10012353-1 | 1892 |

7590

09/22/2004

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

ELMORE, REBA I

ART UNIT PAPER NUMBER

2187

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

10/001,468

Applicant(s)

WEIRAUCH, CHARLES ROBERT

Examiner

Reba I. Elmore

Art Unit

2187

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/31/01.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-20 are presented for examination.

Specification

2. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Ijtsma et al.

(P/N 6,606,285 B1)

5. Ijtsma teaches a method for configuring a removable storage medium comprising:

selecting a configuration for the removable storage medium, wherein logical sectors are consistently identified for both an aware device and an unaware device with the aware device being DVD-ROM or DVD-RAM type devices and an unaware device being CD-RW legacy type devices (e.g., see col. 4, lines 7-58);

if the selected configuration is for the aware device, then masking a standard location for a file system indicator on the removable storage medium (e.g., see Figures 11-16); and,

if the selected configuration is for the unaware device, then copying the file system indicator from a non-standard location to the standard location on the removable storage medium (e.g., see Figures 11-16).

As to claim 2, Ijtsma teaches further comprising initializing the removable storage medium comprising:

masking the standard location for the file system indicator on the removable storage medium (e.g., see col. 5, lines 4-29); and,

writing the file system indicator to the non-standard location on the removable storage medium (e.g., see col. 5, lines 4-29).

As to claim 3, Ijtsma teaches initializing the removable storage medium further comprises reserving a number of logical sectors on the removable storage medium for defect management (e.g., see col. 5, lines 4-29).

As to claim 4, Ijtsma teaches initializing the removable storage medium further comprises reserving at least one sector on the removable storage medium as the non-standard location for the file system indicator (e.g., see col. 11, lines 1-22).

As to claim 5, Ijtsma teaches indicating a state of the removable storage medium (e.g., see Figure 9).

As to claim 6, Ijtsma teaches the removable storage medium for the aware device further comprises masking a backup file system indicator on the removable storage medium (e.g., see Figures 11-16).

As to claim 7, Ijtsma teaches the removable storage medium for the unaware device further comprises copying a backup file system indicator to another standard location on the removable storage medium (e.g., see Figures 11-16).

6. Ijtsma teaches the invention (claim 8) as claimed including a system for configuring a removable storage medium with consistently identified logical sectors, comprising:

computer readable storage media (e.g., see col. 3, line 24 to col. 4, line 6);

computer readable program code stored on the computer readable storage media (e.g., see col. 3, line 24 to col. 4, line 6);

program code for masking at least one standard location for a file system indicator on the removable storage medium, whereby the removable storage medium is configured for access by an aware device (e.g., see Figures 11-16); and,

program code for copying the file system indicator from at least one non-standard location to the standard location on the removable storage medium, whereby the removable storage medium is configured for access by an unaware device (e.g., see Figures 11-16).

As to claim 9, Ijtsma teaches the invention further comprising:

program code for managing the removable storage medium for defects with the aware device, wherein digital information is copied from at least one defective sector to at least one replacement sector (e.g., see col. 5, lines 4-29); and,

program code for copying the digital information from the replacement sector to the defective sector when the removable storage medium is configured for access by the unaware device (e.g., see col. 5, lines 4-29).

As to claim 10, Ijtsma teaches the program code for copying the file system indicator from the standard location to the non-standard location when the removable storage medium is configured for access by the aware device (e.g., see col. 4, lines 7-58).

As to claim 11, Ijtsma teaches the program code for masking the non-standard location when the removable storage medium is configured for access by the unaware device (e.g., see col. 4, lines 7-58).

As to claim 12, Ijtsma teaches the program code for initializing the removable storage medium to be interchangeably configured for access by the aware device and the unaware device (e.g., see col. 4, lines 7-58).

As to claim 13, Ijtsma teaches the program code for initializing the removable storage medium comprises:

program code for masking the standard location for the file system indicator on the removable storage medium (e.g., see Figures 11-16); and,

program code for writing the file system indicator to the non-standard location on the removable storage medium (e.g., see Figures 11-16).

As to claim 14, Ijtsma teaches the program code for initializing the removable storage medium comprises program code for reserving a number of logical sectors on the removable storage medium for defect management (e.g., see col. 5, lines 4-61).

As to claim 15, Ijtsma teaches the program code for initializing the removable storage medium comprises program code for reserving one logical sector on the removable storage medium as the non-standard location for the file system indicator (e.g., see col. 4, lines 7-58).

As to claim 16, Ijtsma teaches the program code for initializing the removable storage medium comprises program code for generating a cross-reference table for cross-referencing the standard location to the non-standard location (e.g., see col. 5, lines 4-61).

As to claim 17, Ijtsma teaches the program code for indicating the state of the removable storage medium (e.g., see Figure 9).

As to claim 18, Ijtsma teaches the program code for copying a backup file system indicator from another non-standard location to another standard location on the removable storage medium (e.g., see Figures 11-16).

7. Ijtsma teaches the invention (claim 19) as claimed including a system for configuring a removable storage medium, comprising:

a first conversion module for configuring the removable storage medium for access by an aware device by masking a standard location for a file system indicator on the removable storage medium (e.g., see Figures 11-16); and,

a second conversion module for configuring the removable storage medium for access by an unaware device by copying the file system indicator from a non-standard location to the standard location on the removable storage medium (e.g., see Figures 11-16).

As to claim 20, Ijtsma teaches an initialization module for masking a standard location for a file system indicator on the removable storage medium and for writing the file system indicator to a non-standard location on the removable storage medium (e.g., see Figures 11-16).

Conclusion

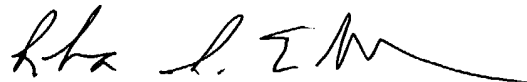
8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2187

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reba I. Elmore, whose telephone number is (703) 305-9706. The examiner can normally be reached on M-TH from 7:30am to 6:00pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor for AU 2187, Donald Sparks, can be reached for general questions concerning this application at (703) 308-1756. Additionally, the official fax phone number for the art unit is (703) 746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center receptionist whose telephone number is (703) 305-3800/4700.



Reba I. Elmore
Primary Patent Examiner
Art Unit 2187

September 19, 2004